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5/21/03  
PATENT APPLICATION *Jen*

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q62299

Katsuhiko TOMITA

Appln. No.: 09/750,357

Group Art Unit: 1755

Confirmation No.: 6888

Examiner: Jennine M. BROWN

Filed: December 29, 2000

For: MOLECULAR RECOGNITION TYPE CHEMICAL CCD

AMENDMENT UNDER 37 C.F.R. § 1.111

MAIL STOP NON-FEE AMENDMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated February 27, 2003, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

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1. (ONCE AMENDED) A molecular recognition type chemical CCD comprising:
- a chemical CCD having a plurality of potential wells constituted to change a depth
- corresponding to a chemical quantity, and being arranged two-dimensionally, in which electric charges are injected into the potential wells and the chemical quantity is converted into an electric charge corresponding to the sizes of the potential wells;
- a molecular recognition layer formed on a sensor face of a chemical CCD, said molecules recognition layer selectively capture molecular of certain chemical substances.
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